

20030221.qrp v02\_n838.qrl.20030221

Date: Fri, 21 Feb 2003 19:03:07 EST  
From: qrp-1@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: QRP-L digest 2838

QRP-L Digest 2838

Topics covered in this issue include:

- 1) [146442] [CONTEST] N2CQ QRP Contest Calendar - Feb 20/28  
by "Ken Newman" <N2CQ@Dandy.Net>
- 2) [146443] Thursday Fox - VE4WI  
by "Winchar" <winchar@mts.net>
- 3) [146444] SC falls all QRP and all QRPp  
by Larry Cahoon <lejek@erols.com>
- 4) [146445] Re: Russian Variable Capacitors  
by "Lee Mairs" <lmairs@direcway.com>
- 5) [146446] First Sniffers Shipped, Half missing one LED.  
by David Porter <aa3ur@comcast.net>
- 6) [146447] RE: LOW PASS FILTERS  
by Nick Kennedy <nkennedy@tcainternet.com>
- 7) [146448] WTB: TenTec Argonaut accessories  
by "Gene A. Williamson" <genewill@ordata.com>
- 8) [146449] Re: Radio Shack 25A power supply  
by Lew Paceley <lew@paceley.com>
- 9) [146450] Radio Shack 25A power supply  
by Dick Ballard <ballardr@att.net>
- 10) [146451] New Practical Wireless Review of the K2 available  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 11) [146452] Re: [Elecraft] DC-DC converter kits?  
by Bob Patten <n4bp@bellsouth.net>
- 12) [146453] Re: FS: NorCal Paddle Kit (unopened)  
by Dennis Blanchard <k1ypp@yahoo.com>
- 13) [146454] ONE Fox spotted ;^(  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 14) [146455] FYBO - Minimizing Dupes ?  
by "Dennis Payton" <dpayton@fwi.com>
- 15) [146456] Second FOX spotted (barely)  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 16) [146457] FOX 2 fer again  
by "Karl F. Larsen" <k5di@zianet.com>
- 17) [146458] Solder Paste for SMT- Acquiring and using  
by Don <dwittlic@APCI.net>
- 18) [146459] Four State QRP Group Builders Contest Report  
by "David Bixler" <qrp@netins.net>
- 19) [146460] Pesky Texan Armadillo Chase

- by "N1LN" <n1ln@earthlink.net>
- 20) [146461] Re: Pesky Texan Armadillo Chase  
by "N1LN" <n1ln@earthlink.net>
- 21) [146462] Fox- K4FB short report  
by Paul Womble <pwomble1@tampabay.rr.com>
- 22) [146463] Re: Second FOX spotted (barely)  
by W2AGN <w2agn@w2agn.net>
- 23) [146464] RE: Pesky Texan Armadillo Chase  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 24) [146465] Re: FS: NorCal Paddle Kit (unopened)  
by Pete Burbank <plburbank@earthlink.net>
- 25) [146466] Re: FYBO - Minimizing Dupes  
by "James R. Duffey" <JamesDuffey@comcast.net>
- 26) [146467] Fox- K4FB Log  
by Paul Womble <pwomble1@tampabay.rr.com>
- 27) [146468] Using and maintaing lead acid batteries  
by "Glenn Maclean" <wa7spy@attbi.com>
- 28) [146469] Re: Solder Paste for SMT- Acquiring and using  
by "Leon Heller" <leon\_heller@hotmail.com>
- 29) [146470] Re: Solder Paste for SMT- Acquiring and using  
by "John J. McDonough" <wb8rcr@arrl.net>
- 30) [146471] Re: NorCal Paddle Kit (unopened)  
by "John J. McDonough" <wb8rcr@arrl.net>
- 31) [146472] Re: FYBO - Minimizing Dupes  
by "w5tb" <w5tb@arrl.net>
- 32) [146473] Re: QRP Beacon on 30m  
by Bill Coleman <aa4lr@arrl.net>
- 33) [146474]  
by Wayne\_W5KDJ <w5kdj@juno.com>
- 34) [146475] Paddle Kits and paddles  
by "Karl F. Larsen" <k5di@zianet.com>
- 35) [146476] FYBO Logs  
by "Bob Hightower" <nk7m@extremezone.com>
- 36) [146477] Re: FYBO Logs  
by "Lee Mairs" <lmairs@direcway.com>
- 37) [146478] RE: LOW PASS FILTERS  
by "Noyce, Bill" <william.noyce@hp.com>
- 38) [146479] MFJ SBF-2 SSB filter FS  
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 39) [146480] High-Speed CW Advocate N0HFF - SK  
by "Bruce Prior" <n7rr@hotmail.com>
- 40) [146481] Fox- K4FB Log #2  
by Paul Womble <pwomble1@tampabay.rr.com>
- 41) [146482] RAC Summer & Winter Contests QRP plaques.  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 42) [146483] Re: LOW PASS FILTERS  
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 43) [146484] Re: [High-Speed CW Advocate N0HFF - SK]

- by Rod N0RC <rod@n0rc.us>
- 44) [146485] Free Logger Program  
by Wayne\_W5KDJ <w5kdj@juno.com>
- 45) [146486] Re: NorCal Paddle Kit (unopened)  
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 46) [146487] Re: Free Logger Program  
by "brian" <brian@iquest.net>
- 47) [146488] FYBO Rules Clarification  
by Bob Patten <n4bp@bellsouth.net>
- 48) [146489] Re: Free Logger Program  
by John Harper AE5X <ae5x@qsl.net>
- 49) [146490] FYBO; Don't forget your mikes  
by "Jim N0UR" <n0ur@attbi.com>
- 50) [146491] Re: Free Logger Program  
by Bob Patten <n4bp@bellsouth.net>
- 51) [146492] Re: FYBO; Don't forget your mikes  
by W2AGN <w2agn@w2agn.net>
- 52) [146493] Radio Shack 25 Amp supply, UGH  
by "larry hess" <hessls@csi.com>
- 53) [146494] Vario-coupler  
by Alex <kr1st@amsat.org>
- 54) [146495] Propagation study  
by Dan Maguire <bethdan@pacbell.net>
- 55) [146496] Re: Radio Shack 25 Amp supply, UGH  
by "richqrp" <richqrp@cox.net>
- 56) [146497] ATU  
by Alex <kr1st@amsat.org>
- 57) [146498] Re: Radio Shack 25 Amp supply, UGH  
by KD5NWA <KD5NWA@cbayona.com>
- 58) [146499] RE: FYBO Logs  
by "Bob Hightower" <nk7m@extremezone.com>
- 59) [146500] FW: FYBO Rules Clarification  
by "Bob Hightower" <nk7m@extremezone.com>
- 60) [146501] Amateur Radio Educational Flash Animations  
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 61) [146502] Looking for a serious micro power Beacon enthusiast  
by <stanw@toxsox.com>
- 62) [146503] Any experts on the MFJ 259B Antenna Analyzer out there?  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 63) [146504] Re: Vario-coupler  
by Don <dwittlic@APCI.net>
- 64) [146505] Re: FYBO - Minimizing Dupes  
by "Karl F. Larsen" <k5di@zianet.com>
- 65) [146506] Re: ATU  
by "Howard Kraus" <K2UD@adelphia.net>
- 66) [146507] Re: Any experts on the MFJ 259B Antenna Analyzer out there?  
by Steve.Lawrence@ITWFEG.COM
- 67) [146508] Re: Vario-coupler

by "M. J. Powell" <mike@pickmere.demon.co.uk>  
68) [146509] Increase QRM - K2 Beacon Program  
by "Tony Wells" <t.wells@blueyonder.co.uk>

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Date: Thu, 20 Feb 2003 17:01:20 -0500  
From: "Ken Newman" <N2CQ@Dandy.Net>  
To: "W3BG" <W3BG@arrl.net>, "Norm Into" <normk8ni@neo.rr.com>,  
"N4SO" <N4SO@Juno.com>, "List Elecraft" <Elecraft@mailman.qth.net>,  
Subject: [146442] [CONTEST] N2CQ QRP Contest Calendar - Feb 20/28  
Message-ID: <000d01c2d92b\$9e039050\$0b0a0a0a@D910G521>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

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N2CQ QRP CONTEST CALENDAR  
February 20-28, 2003  
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40 METER FOXHUNTS  
Fox Hunt - Thursdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.  
Info: <http://www.cqc.org/fox>  
Truffle Hunt - Thursdays - 30 min before Fox Hunt  
Info: [http://fpqrp.com/pig\\_hunt.html](http://fpqrp.com/pig_hunt.html)  
~~~~~

CQ WW 160-Meter DX Contest (SSB) ... QRP Category  
Feb 22 - 0000z to Feb 23 - 2359z  
Rules: <http://www.cq-amateur-radio.com/infoc.html>  
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UBA DX Contest - Belgium (CW) ... QRP Category  
Feb 22 - 1300z to Feb 23 - 1300z  
Rules: <http://www.uba.be>  
~~~~~

FYBO Winter QRP Field Day (CW/SSB) ... QRP Contest!  
Feb 22 - 1600z to 2400z  
Rules: <http://www.extremezone.com/~nk7m/fybo2003.htm>  
~~~~~

High Speed CW Club Contest ... QRP Category  
Feb 23 - 0900z to 1100z  
Feb 23 - 1500z to 1700z  
Rules: <http://www.morsecode.dutch.nl/hscindex.html>  
~~~~~

North Carolina QSO Party (CW/SSB)  
Feb 23 - 1700z to Feb 24 - 0300z

Rules: <http://www.w4nc.com>

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Colorado QRP Club Winter QSO Party (CW/SSB) ... QRP Contest!

Feb 23 - 2200 Local to Feb 24 - 0359 Local

Rules: <http://www.cqc.org/contests>  
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Please send your sprint or contest info to: N2CQ@ARRL.NET

We will include it in the calendar.

Thanks to WA7BNM, SM3CER, N0AX/ARRL and others for assistance in  
compiling this calendar.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

\*\*\*\* N2CQ QRP Contest Calendar \*\*\*\*

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

<http://www.qsl.net/cqrp/contests.html>

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Date: Thu, 20 Feb 2003 16:05:10 -0600

From: "Winchar" <winchar@mts.net>

To: <qrp-1@LeHigh.EDU>

Subject: [146443] Thursday Fox - VE4WI

Message-ID: <001f01c2d92c\$22e33820\$6501a8c0@leslie>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Hello All

> I will be one of your Foxii tonite. Thursday Local at 8 pm my time. That

> would be Friday at 0200Z ...I think.

>

> Anyways, I don't know yet if I will be above or below 7040. Depends on  
where

> K4FB shows up. You can bet that one of us will be high, and one of us will

> be low. If you don't believe me, ask me.

>  
> I will be logging exchanges on rawhide scented paper. Hopefully my dogs  
> won't get to the log before I get to post it.  
>  
> I will send \_\_\_\_\_your call 559 MB Craig 5W your call\_\_\_\_\_  
>  
> I am hoping that conditions work out and that I can hand out many pelts  
from  
> my K2 and dipole.  
>  
> Craig VE4WI  
>

-----  
Date: Thu, 20 Feb 2003 21:58:37 +0000  
From: Larry Cahoon <lejek@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [146444] SC falls all QRP and all QRPp  
Message-ID: <5.1.0.14.0.20030220215450.02a2de08@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Last night I pulled off a sked with Adam, AF4QZ, in Bamberg County, SC on  
80 meters with the K2 set at 500 mWatts to finish off the state both QRP  
and QRPp. Average power to work a SC county came in at 260 mWatts. Now  
only 29 counites in 12 states to go. Let's see how long it takes to round  
them up.

73 de Larry.....WD3P in MD  
<http://www.wd3p.net/>

-----  
Date: Thu, 20 Feb 2003 18:36:57 -0500  
From: "Lee Mairs" <lmairs@direcway.com>  
To: "qrpl" <qrp-l@Lehigh.EDU>  
Subject: [146445] Re: Russian Variable Capacitors  
Message-ID: <002301c2d939\$0162ca50\$3b6d020a@boomer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'll be interested in your evaluation.

73 de Lee  
KM4YY

----- Original Message -----

From: "KD5NWA" <KD5NWA@cbayona.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, February 20, 2003 3:53 PM  
Subject: Russian Variable Capacitors

> Does anyone on this list have any experience with the Russian variable  
> capacitors in the link below? I need some for several projects, so I  
bought  
> some of these on the chance that they are good, they look like built  
fairly  
> well, and the price is right \$29.40 for four of them including shipping.  
> Any thoughts?  
>  
>  
<[http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=4660&item=2509577403  
&rd=1&rd=1](http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&category=4660&item=2509577403&rd=1&rd=1)>  
>  
>  
> Cecil  
> KD5NWA  
>  
>

-----  
Date: Thu, 20 Feb 2003 18:47:48 -0500  
From: David Porter <aa3ur@comcast.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [146446] First Sniffers Shipped, Half missing one LED.  
Message-ID: <NGBBICPOCLKMGIBGGBEA0EFJDDAA.aa3ur@comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

The good news is that John Cawthorne and I kitted 100 sniffers Tuesday night and I mailed all but 10 or 15 of them on Wednesday. The bad news is that on the second run of 50, I put only one LED in each bag. There should be two. D'oh!

Nearly any similar LED will do, so you can put one in from your junk pile. If you need one, send an email to njqrp-kits@comcast.net with the subject "LED" and your name and address in the body. I'll take care of the rest. Sorry for the error.

Thanks for supporting NJQRP,

Dave, AA3UR

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Date: Thu, 20 Feb 2003 18:17:49 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'DDORN@CWIS.NET'" <DDORN@CWIS.NET>,  
"Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [146447] RE: LOW PASS FILTERS  
Message-ID: <01C2D90C.60C2A880.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Coincidentally, I'm just starting a push pull "linear" myself and was asking myself the same question. Actually, I was just thinking of letting the same filter handle both 40 and 30 and/or 20 and 15 though. So in my case, the 2nd harmonic will always be above the corner freq, but the attenuation just won't be as great as if I'd made the filter for the individual bands.

With that, I guess I don't know the answer. But I think you got a good one from Dave.

72--Nick, WA5BDU  
in Arkansas

Russellville, AR hamfest: March 1

On Thursday, February 20, 2003 11:02 AM, Donald Dorn [SMTP:DDORN@CWIS.NET] wrote:

> I have been playing with a 5 watt push pull amp for 20 and 40 meters. I  
> wondered if I could use just a 20 meter low pass filter for both bands  
since  
> the even harmonics of the 40 meter sig would be mostly cancelled out and  
the  
> third harmonic would be above the band pass of the filter

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Date: Thu, 20 Feb 2003 16:20:40 -0800  
From: "Gene A. Williamson" <genewill@ordata.com>  
To: qrp-l@lehigh.EDU  
Subject: [146448] WTB: TenTec Argonaut accessories  
Message-ID: <200302210020.h1L0KhJG007372@cobra.ordata.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

WTB the following for TT Argonaut 515:

206A crystal calibrator  
208A cw filter/notch  
210A power supply

Must be 100% electrically, looks secondary (to a point).

73 Gene N7YW  
99.44% CW since 1958 (ex-K7DBV)

-----  
Date: Thu, 20 Feb 2003 18:38:01 -0600  
From: Lew Paceley <lew@paceley.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Cc: n5ff@attbi.com  
Subject: [146449] Re: Radio Shack 25A power supply  
Message-ID: <004301c2d941\$7dcbb900\$6501a8c0@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=Windows-1252  
Content-transfer-encoding: 7BIT

Hi Saad,  
My RS clearance 25A supply was running about 14.1V when I brought it home and measured it. Since most of my rigs are low power, I opened it up and adjusted it back down to 13.8VDC. I don't know if all the RS supplies are exactly the same, but mine had a little white plastic screw adjustable pot on the circuit board faintly labeled "VR". Adjusting the pot appropriately lowered the voltage down to 13.8V for me.

You may want to adjust down to 14V "no load" and then measure it again under your typical load and see if the voltage is still adequate for your needs.

NOTE: The voltages inside the power supply cabinet are LETHAL. Keep people and pets away. Avoid contact with anything inside the power supply when it is powered up. If you decide to perform this adjustment you do so solely at your risk.

72/73,  
\*Lew\*  
N5ZE

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Date: Thu, 20 Feb 2003 16:41:34 -0800  
From: Dick Ballard <ballardr@att.net>  
To: qrp-1@lehigh.edu  
Subject: [146450] Radio Shack 25A power supply  
Message-ID: <inra5vkb38vkamnmf4srr65kr1e5hl5r1@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

What did you measure it with? Since there is some high frequency noise superimposed on the DC, some DVM's may give erroneous readings if they sample on the peaks of the noise. Try using an analog meter known to be accurate. Or run the DC output through an RC filter (like a 1k and 0.1uF) to the DVM.

There is only one pot (VR1) in the supply and that is the voltage adjust. However, I wouldn't tweak it before verifying as I described. Also check it under load.

I have two of them and they read 13.8v no load and 14.2v at 12.5amp load using a Radio Shack 22-174B DVM. I don't know if the higher voltage under load is valid or is a DVM artifact. Even if true, it's not a problem because both of those values are in the normal voltage range of automotive charging systems.=20

Dick Ballard  
Beaverton OR  
W7AND

On Thu, 20 Feb 2003 12:57:15 -0600, you wrote:

>I measured 15V on the new 25A RS supply I recently purchased while they  
>had them on clearance. Does anyone have the schematics and/or  
>experience with these supplies to direct me how to readjust the voltage

>down to 13.8V

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Date: Thu, 20 Feb 2003 16:42:33 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: elecraft@mailman.qth.net  
Cc: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@groups1.vip.scd.yahoo.com>  
Subject: [146451] New Practical Wireless Review of the K2 available  
Message-ID: <3E5575F9.60405@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

We have received permission to post the new Practical Wireless magazine Review of the K2 Transceiver on our web site (pdf format).

It can be found in the 'Customer Comments and Magazine Review' section at <http://www.elecraft.com>

73, Eric WA6HHQ

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Date: Thu, 20 Feb 2003 20:06:09 -0500  
From: Bob Patten <n4bp@bellsouth.net>  
To: Mike <kw1nd.web@homeinternet.net>  
Cc: qrp-l@Lehigh.EDU, elecraft@mailman.qth.net  
Subject: [146452] Re: [Elecraft] DC-DC converter kits?  
Message-ID: <3E557B81.3080901@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Mike wrote:

>Does anyone here know of a small DC-DC boost converter kit, that can  
>handle 350 - 500 mA continuous? I'm looking to boost 3- 6 volts up to 12  
>- 15 volts. Embedded Research's EPS-1 (and the company) seem to be dead.

>

What you want is N4UAU's "My All-Purpose Voltage Booster". It will boost 6V anywhere up to 65V and will supply over 3A. I purchased the kit about a year ago and use it to power my notebook computer. I boost my auto or camper 12V battery voltage to the 20V that the computer requires. The author cautions about RF noise on the HF bands, but with careful

construction, should not be a problem. I haven't heard a peep of RF from mine. His project was written up in the July 1997 QST beginning on page 40. I think I paid about \$20 for the kit.

His info from the construction guide:

Sam Ulbing, N4UAU  
5200 N.W. 43rd Street  
Suite 102-177  
Gainesville, FL 32606

e-mail: n4uautoo@sprynet.org

website: <http://n4uautoo.home.sprynet.com>

--

73, Bob Patten, N4BP Plantation, FL

E-Mail: n4bp@arrl.net Website: <http://www.qsl.net/n4bp>  
QRP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

-----  
Date: Thu, 20 Feb 2003 21:05:27 -0500  
From: Dennis Blanchard <k1ypp@yahoo.com>  
To: qrp-l@lehigh.edu  
Subject: [146453] Re: FS: NorCal Paddle Kit (unopened)  
Message-ID: <3E558967.7060408@yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The kit has been sold. I couldn't believe it, I had over 50 requests. That was one very popular kit!

Dennis, K1YPP

Local Ham Radio and Mountain Bike info:  
<http://home.attbi.com/~fuzzbeast>

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Date: Thu, 20 Feb 2003 20:28:23 -0600

From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [146454] ONE Fox spotted ;^(  
Message-ID: <412003252122823409@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Have only found one FOX = Paul K4FB. He is on 7.040.9 and working them up ~1.5. Big pileup and lots of BC QRM, but he is picking them up handily.

Now OTOH, no sign of Craig VE4WI. Rats. I missed Craig during his first outing, too. Hmmm.....next year gotta select FOXes which are at least 500 miles away from Bismarck [g]. Oh, I \*can\* hear a pileup at ~7.037.

Anyway, GL everyone. Here's hoping that all of us get two pelts tonite.

73,  
--Doc/K0EVZ

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Date: Thu, 20 Feb 2003 21:43:19 -0500  
From: "Dennis Payton" <dpayton@fwi.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [146455] FYBO - Minimizing Dupes ?  
Message-ID: <025501c2d952\$feef3370\$d7b054d1@6300us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm not a tester, but I try to find the time to log a few contacts during most contests. One thing I don't enjoy though, is constantly scanning my log, trying to minimize dupes. I suppose I shouldn't be so concerned about them until after a contest, but I also wonder if there's a better way of dealing with them than what I'm doing. Does anybody have any tips? I'm hoping to get free Saturday so I can go out and freeze my "b\_\_\_" off, and if I can, I'd like to enjoy it as much as possible!

Thanks,     Denny     N9JXY

-----  
Date: Thu, 20 Feb 2003 20:58:32 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [146456] Second FOX spotted (barely)  
Message-ID: <412003252125832661@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Can finally hear FOX Craig VE4WI on ~7.036. He is barely audible, with a huge roaring pack of hounds about 1kHz higher. Tremendous BC QRM and other gifts from Lady Forty Metres [g]. Best of luck, everyone.

73,  
--Doc/K0EVZ

-----  
Date: Thu, 20 Feb 2003 20:23:13 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [146457] FOX 2 fer again  
Message-ID: <Pine.LNX.4.44.0302202021370.2238-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well even though it's raining hard in this desert, I heard and worked both Foxes. It was not too difficult and I'm watching a DVD too.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Thu, 20 Feb 2003 21:20:55 -0600  
From: Don <dwittlic@APCI.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [146458] Solder Paste for SMT- Acquiring and using  
Message-ID: <3E559B17.11F5FC40@APCI.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello, I would appreciate some advice on use of solder in a paste form. Automated systems use paste, so I think it would be worth a try for manual soldering of surface mount components.

---Is anyone here using paste solder rather than wire solder for surface mount construction?

---Can you recommend a source that will sell paste solder in a small quantity.

---Is paste practical for hobbyist use? Is it difficult to store without danger of solidifying?

Here is the equipment and procedure I expect to use:

The iron is a temperature controlled Edsyn Loner station with a tip made for SMT.  
Component handling is by use of a wooden stick with a small amount of beeswax on the tip.  
Work will be inspected with a 10X microscope.  
I assume the solder paste will be 63/37 and will contain some flux.  
I don't expect to use any adhesive for securing the device to the board.

1. manually apply the paste to the solder pads on the board.
2. Place the component, then hold the component in place with one foot of a 3 footed weight.
3. Heat the component leads individually with the iron, which is lightly tinned with conventional wire solder.

---Please give your comments or recommendations, regarding

materials and techniques.

Thanks for the help,  
Don, WN9V

-----  
Date: Thu, 20 Feb 2003 21:34:42 -0600  
From: "David Bixler" <qrp@netins.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [146459] Four State QRP Group Builders Contest Report  
Message-ID: <000101c2d95a\$2c9a7800\$8077f8d8@XPComputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Hi gang:

The report for last Saturday's FSQRP luncheon get-together and first annual builders contest is on the web at:

<http://w0ch.com/fsqrp/feb03/feb03a.htm>

Who says that hams don't build any more? Can't prove that around here!

72, Dave

David Bixler                   W0CH  
Seneca, Missouri  
W0CH QRP Web Site:           <http://w0ch.com>  
Four State QRP Group:       <http://w0ch.com/fsqrp>

QRP: Little Radios, Big Fun!=20

-----  
Date: Thu, 20 Feb 2003 21:53:27 -0600  
From: "N1LN" <n1ln@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [146460] Pesky Texan Armadillo Chase  
Message-ID: <001e01c2d95c\$cff8c180\$9506fea9@station2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



Hi all you Chasers -

This is your three week warning message. Three weeks from tonight the contest will be 1/2 over.

Get out you RF grease and get ready. The Armadillos will be out there for you the 'quickly' hunt down and work your sweep.

Don't forget with the new rules you don't have to start at 02:00 UTC (20:00 Central Time) to win. The winning Chaser will be based on the shortest elapsed time from the time of the first QSO with an Armadillo until you work the last Armadillo for your sweep. The 'Clean Sweep Time'. If more than one Chaser has the exact same time, the winner will be decided based on the earliest finish. So, there still is some advantage to the Early Bird - and..... the east coast. (Sorry California - but it is better than last year.)

For all the Contest Rules, names and calls of the Armadillos check out our Web site at:

<http://www.w5nc.org/ptac/default.htm>

72 and hope to work you in the contest,

Bruce - N1LN

(Contest call/name: K5PTC - Bob)

-----

Date: Thu, 20 Feb 2003 21:56:54 -0600  
From: "N1LN" <n1ln@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [146461] Re: Pesky Texan Armadillo Chase  
Message-ID: <002f01c2d95d\$46b750c0\$9506fea9@station2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Correction to the last message - Contest would be OVER in three weeks.

Hi all you Chasers -

This is your three week warning message. Three weeks from tonight the contest will be over.

Get out you RF grease and get ready. The Armadillos will be out there for you the 'quickly' hunt down and work your sweep.

Don't forget with the new rules you don't have to start at 02:00 UTC (20:00 Central Time) to win. The winning Chaser will be based on the shortest elapsed time from the time of the first QSO with an Armadillo until you work the last Armadillo for your sweep. The 'Clean Sweep Time'. If more than one Chaser has the exact same time, the winner will be decided based on the earliest finish. So, there still is some advantage to the Early Bird - and..... the east coast.

(Sorry California - but it is better than last year.)

For all the Contest Rules, names and calls of the Armadillos check out our Web site at:

<http://www.w5nc.org/ptac/default.htm>

72 and hope to work you in the contest,

Bruce - N1LN

(Contest call/name: K5PTC - Bob)

-----  
Date: Thu, 20 Feb 2003 23:12:08 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [146462] Fox- K4FB short report  
Message-ID: <3E55A718.125B6767@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Band conditions pretty good tonight. 115 in the log plus Craig and I for a total of 117. Some QRM from people who wanted to use the frequency but I was able to run them off. Digital QRM was bad at times...not much I could do about that.

Still nice to see a few new calls in the log each time. Keep spreading the word.

73

Paul K4FB

-----  
Date: Thu, 20 Feb 2003 23:06:40 -0500 (Eastern Standard Time)  
From: W2AGN <w2agn@w2agn.net>  
To: dock0evz@earthlink.net, qrp-1@Lehigh.EDU  
Subject: [146463] Re: Second FOX spotted (barely)  
Message-ID: <3E55A5D0.000003.68401@w2agn>  
MIME-version: 1.0  
Content-type: Text/Plain  
Content-transfer-encoding: 7BIT

I had missed Craig his first outing, but he was an honest 579 here, as was Paul. Even came through the Pactor and RTTY jerk calling CQ on the frequency (He tried both, but no answer).

+-----+ John L. Sielke  
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]  
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----Original Message-----

From: dock0evz@earthlink.net  
Date: Thursday, February 20, 2003 10:57:14 PM  
To: Low Power Amateur Radio Discussion  
Subject: Second FOX spotted (barely)

Gang:

Can finally hear FOX Craig VE4WI on ~7.036. He is barely audible, with a huge roaring pack of hounds about 1kHz higher. Tremendous BC QRM and other gifts from Lady Forty Metres [g]. Best of luck, everyone.

73,

--Doc/K0EVZ

.

-----

Date: Thu, 20 Feb 2003 22:7:38 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "N1LN" <n1ln@earthlink.net>, "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [146464] RE: Pesky Texan Armadillo Chase  
Message-ID: <41200325214738762@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Bruce and Gang:

This was an absolutely OUTSTANDING event last year. Highly recommended.  
So warm up your rigs and antennas and go for it. Thanks to Bruce and the  
other Armadillos for getting together this terrific event.

73,  
--Doc/K0EVZ

> [Original Message]  
> From: N1LN <n1ln@earthlink.net>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Date: 2/20/2003 9:53:27 PM  
> Subject: Pesky Texan Armadillo Chase  
>  
> Hi all you Chasers -  
>  
> This is your three week warning message. Three weeks from tonight the  
> contest will be 1/2 over.  
>  
> Get out you RF grease and get ready. The Armadillos will be out there  
for  
> you the 'quickly' hunt down  
> and work your sweep.  
>  
> Don't forget with the new rules you don't have to start at 02:00 UTC  
(20:00  
> Central Time) to win. The  
> winning Chaser will be based on the shortest elapsed time from the time of  
> the first QSO with an  
> Armadillo until you work the last Armadillo for your sweep. The 'Clean  
> Sweep Time'. If more than one

> Chaser has the exact same time, the winner will be decided based on the  
> earliest finish. So, there  
> still is some advantage to the Early Bird - and..... the east coast.  
> (Sorry California - but it is better than  
> last year.)  
>  
> For all the Contest Rules, names and calls of the Armadillos check out our  
> Web site at:  
>  
> <http://www.w5nc.org/ptac/default.htm>  
>  
> 72 and hope to work you in the contest,  
>  
> Bruce - N1LN  
>  
> (Contest call/name: K5PTC - Bob)

-----  
Date: Thu, 20 Feb 2003 23:31:35 -0500  
From: Pete Burbank <plburbank@earthlink.net>  
To: k1ypp@yahoo.com,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [146465] Re: FS: NorCal Paddle Kit (unopened)  
Message-ID: <5.2.0.9.0.20030220232716.00a328a0@Earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:05 PM 2/20/2003, Dennis Blanchard wrote:  
>The kit has been sold. I couldn't believe it, I had over 50 requests. That  
>was one very popular kit!  
>  
>Dennis, K1YPP  
>  
>Local Ham Radio and Mountain Bike info:  
><http://home.attbi.com/~fuzzbeast>  
>

That kit would certainly sell very well if it was made available again. I think many would even be happy to

pay a few bucks more.

73

Pete NV4V Ky

-----  
Date: Thu, 20 Feb 2003 21:44:24 -0700  
From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: qrp-1@lehigh.edu, dpayton@fwi.com  
Subject: [146466] Re: FYBO - Minimizing Dupes  
Message-ID: <BA7AFCB8.20D9%JamesDuffey@comcast.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Dennis - I use a "dupe sheet". These are sheets that you record calls you have worked on that can be quickly looked up to check for a duplicate. There are forms available on the net, ARRL has one, but you can make your own easy. For small contests like FYBO, it really is no problem. I use lined notebook paper or a yellow pad. Just put a letter on each line, A-Z. When you work somebody, put his call on the line his suffix begins with. Thus KK6MC would go on the M line, N9JXY on the J line, W1AW on the A line, and so on. You can go a bit further by sorting them on the line by number, so a 1 would go right next to the letter, a 9 on the far edge. For a small contest it is hard to fill up a full sheet.

If you are only going to work a few stations, you can sort by number and get more than one band on a sheet.

Write small.

As you can work a station on more than 1 band, you need a dupe sheet for each band. If you have more than one dupe sheet, put them on a clip board.

When you hear a call, look at the appropriate place on the dupe sheet to see if you have worked him before. Of course, you need to write down the calls on the dupe sheet, but that becomes an automatic part of the logging process after awhile. - Duffey

-----  
James R. Duffey KK6MC/5  
Cedar Crest NM 87009 DM65

-----  
Date: Thu, 20 Feb 2003 23:55:05 -0500

From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [146467] Fox- K4FB Log  
Message-ID: <3E55B129.8D35F555@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Please let me know of any mistakes.

118 total in the log.

73

Paul K4FB

02:00 W5TB 559 TX DOC 5W  
02:01 K4GT 559 GA JIM 5W  
02:02 AB9CA 559 AL DAVE 5W  
02:02 AJ4AY 559 AL JAY 5W  
02:03 KC9LC 559 VA RANDY 5W  
02:04 N4ROA 559 VA DAN 5W  
02:05 K5DW 559 TX DON 5W  
02:05 AA50 559 LA VERN 5W  
02:07 KU4NE 599 AL JOHN 100W  
02:08 AD6JV 559 VA BILL 5W  
02:09 W5USJ 559 TX CHUCK 5W  
02:10 KK5LD 599 TX DAN 5W  
02:10 K5FSE 599 GA JACK 5W  
02:11 N1FN 559 CO ET 5W  
02:12 K40AH 559 GA MART 5W  
02:12 N5ZE 559 TX LEW 5W  
02:13 NN5E 559 TX VERN 5W  
02:14 WD9F 559 IL WOODY 5W  
02:14 W5YR 559 TX GEORGE 5W  
02:15 K50T 559 WI LARRY 3W  
02:16 N9NE 579 WI TODD 5W  
02:17 WA9TZE 559 WI JIM 5W  
02:17 K3IU 559 RI KEN 4W  
02:18 N2WW 559 CO LARRY 5W  
02:19 W9XU 559 WI DON 5W  
02:19 K8CV 559 MI WALT 5W  
02:20 W0UFO 559 MN MERT 5W  
02:21 KK5NA 559 TX JOE 5W  
02:21 K0EVZ 569 ND DOC 5W  
02:22 WE9K 599 WI GLEN 5W  
02:23 K3ESE 559 MD LLOYD 5W  
02:24 K9DC 559 IN DAVE 5W

02:24 K5JHP 559 TX BILL 5W  
02:26 N0UR 559 MN JIM 5W  
02:27 N5YRC 559 LA JAYNE 5W  
02:27 N3ZPQ 559 OH FRANK 3W  
02:28 KQ5U 559 TX TERRY 5W  
02:28 WS4S 559 TN CONRAD 5W  
02:29 K9IS 559 WI STEVE 5W  
02:30 AF4LQ 559 KY MIKE 5W  
02:30 W7KXB 559 AZ BILL 5W  
02:32 WB4X 559 NC BRENT 5W  
02:32 W0CH 559 MO DAVE 5W  
02:33 K9IUA 559 IA KEVIN 5W  
02:34 K5SR 559 TX DALE 5W  
02:34 W9HL 559 IL RANDY 5W  
02:35 NA8M 559 MI JOHN 5W  
02:36 W3SMK 559 NC STEVE 5W  
02:37 KR5C 559 TX GEORGE 5W  
02:38 N5WL 559 OK BILL 5W  
02:40 N0HRL 559 MN KEN 5W  
02:40 KB9YIG 569 IN TONY 500MW  
02:41 K5EOA 559 LA WAYNE 5W  
02:41 W0IS 559 MN RICK 5W  
02:42 N5IB 559 LA JIM 5W  
02:43 VE6EX 559 AB DAN 5W  
02:43 AE4TC 559 VA SCOTT 5W  
02:44 WV9N 559 OH RANDY 5W  
02:45 W5KDJ 559 TX WAYNE 300MW  
02:46 K4JPN 579 GA STEVE 4W  
02:46 WB6BWZ 599 GA MATT 5W  
02:47 AG0T 559 ND TODD 4W  
02:47 W2AGN 579 NJ JOHN 5W  
02:48 K5ZTY 559 TX BILL 5W  
02:49 N9AW 559 WI JERRY 5W  
02:49 AC5JH 559 OK TOM 5W  
02:50 K2ZN 559 NY AL 5W  
02:51 W8YMO 559 OH HARRY 5W  
02:52 NK9G 559 WI RICK 5W  
02:52 VA6RF 559 AB EARL 5W  
02:54 K5DI 559 NM KARL 5W  
02:54 WA8ZBT 559 TX DENNIS 5W  
02:55 NK6A 559 CA DON 5W  
02:55 AC7A 559 AZ TOM 5W  
02:59 KB0R 559 MN LARRY 5W  
02:59 K7TQ 559 ID RANDY 5W  
03:00 NM5M 559 TX ERIC 5W  
03:00 VE5RC 559 SK BRUCE 5W  
03:01 WU9F 559 WI TERRY 5W  
03:02 WA8BXN 559 OH MIKE 5W



03:03 KB7WW 559 OR ART 5W  
03:03 AB5XQ 559 AR BILL 5W  
03:05 K0MAX 559 MN MAX 1W  
03:06 KS4L 579 AL RANDY 5W  
03:07 KC1FB 559 CT JIM 500MW  
03:08 N0TK 559 CO DAN 5W  
03:08 K5TCC 559 TX DOC 5W  
03:09 N4BP 559 FL BOB 5W  
03:10 W2RBA 559 NY JOE 5W  
03:14 WB8WTU 559 OH DENNIS 5W  
03:14 K0FRP 599 CO AL 5W  
03:15 VE3ELA 559 ON KEN 5W  
03:16 K3PH 559 PA BOB 5W  
03:17 K6VNX 559 CA ALLE 5W  
03:17 N0WX 559 MN MIKE 5W  
03:20 KF2P 559 NY MARK 5W  
03:23 K08HIO 559 OH ANTHONY 4W  
03:24 K0PC 559 MN PAT 5W  
03:26 W9UQB/7 559 AZ MIKE 5W  
03:27 NV4V 569 KY PETE 5W  
03:29 W4YN 559 NC TIM 5W  
03:32 KD5CMN 559 TX MIKE 5W  
03:33 KR0U 559 CO TIM 5W  
03:34 KJ0C 559 MO JIM 5W  
03:34 NK0E 559 CO DAVE 5W  
03:35 W7IU 559 WA GARY 500MW  
03:37 WA2TDL 559 NY RICK 5W  
03:38 KI0II 559 CO RON 5W  
03:39 N6TW 559 CA EARL 5W  
03:44 NU8S 559 OH DENNIS 5W  
03:44 WA8NTA 559 CO DICK 5W  
03:45 K50I 559 OK TIM 5W  
03:46 N1TP 559 FL TOM 5W  
03:47 AF4PS 559 FL MAC 3W  
03:48 K2Q0 559 NY MARK 5W  
03:58 N0RC 559 CO ROD 5W  
04:00 VE4WI 559 MB CRAIG 5W  
04:00 K4FB 559 FL PAUL 5W

-----  
Date: Thu, 20 Feb 2003 21:02:24 -0800  
From: "Glenn Maclean" <wa7spy@attbi.com>  
To: <qrp-l@lehigh.edu>  
Subject: [146468] Using and maintaing lead acid batteries  
Message-ID: <004001c2d966\$6ca10a20\$6401a8c0@ERIN>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I recently have acquired two new A/C Delco Voyager Marine/RV Deep Cycle sealed lead acid batteries. The batteries are rated at 105 amp hours each. I have these batteries connected in parallel. I plan to run my station and other items with these batteries. Does anyone know of a product or circuit that I can build or purchase that would allow me to use my 35 amp Astron Power Supply to keep these batteries maintained and charged? I would like to be able to connect this unit or circuit presently to the batteries. I am looking for something that a three stage smart charger does.

Thanks,  
Glenn WA7SPY

-----  
Date: Fri, 21 Feb 2003 04:20:29 -0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: <dwittlic@APCI.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [146469] Re: Solder Paste for SMT- Acquiring and using  
Message-ID: <DAV52QJNdWkkeFjl7tM00008663@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Don" <dwittlic@APCI.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, February 21, 2003 3:20 AM  
Subject: Solder Paste for SMT- Acquiring and using

> Hello, I would appreciate some advice on use of solder in a  
> paste form. Automated systems use paste, so I think it would  
> be worth a try for manual soldering of surface mount  
> components.  
>  
> ---Is anyone here using paste solder rather than wire solder  
> for surface mount construction?  
>  
> ---Can you recommend a source that will sell paste solder in

> a small quantity.  
>  
> ---Is paste practical for hobbyist use? Is it difficult to  
> store without danger of solidifying?  
>

Solder paste isn't really intended for use with a soldering iron. The paste should be used with a two-stage process - pre-heating to dry the paste followed by the higher temperature heating to melt it.

I've had reasonable results with a Weller Pyropen using the hot-air blower nozzle.

The stuff has a limited life and should be stored in a fridge.

Small quantities are available from the usual suppliers, like RS and Farnell in the UK.

73, Leon

--

Leon Heller, G1HSM  
leon\_heller@hotmail.com  
[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----  
Date: Fri, 21 Feb 2003 07:11:06 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <dwittlic@APCI.net>  
Subject: [146470] Re: Solder Paste for SMT- Acquiring and using  
Message-ID: <001301c2d9a2\$52d957a0\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Don

I looked into this a while back and I didn't think it was practical. Solder paste is available in small quantities, and even comes in a syringe to make it easy to apply. However ... it is astonishingly expensive, it has a very short shelf life, and it needs to be refrigerated. Because of the shelf life, most suppliers will only ship it overnight express, which further adds to the cost.

The price wasn't totally out of reach, if I recall it was around \$50 for a few grams, plus the ten or twenty bucks for shipping, but the shelf life was

on the order of a month or so (I can't recall exactly, and I see DigiKey's catalog no longer tells you) so I'd need to have a couple of big projects planned to make it worthwhile.

Obviously, everyone has their own perception of what's too expensive, so for you, this may be more or less reasonable than for me.

A couple of other points ... a hot air gun is pretty good for SMT, I would think that may be the ticket with paste. Secondly, silver bearing solder is often used because of it's lower surface tension. This surface tension helps it flow better around SMT parts, and makes it less inclined to take the part along with the iron, but also makes it near impossible to get out of plated through holes, so it's not for everything. But if you use conventional solder, rather than paste, you will find it a lot more pleasant for SMT with 63/36/1 or so, rather than your 63/37.

The 3 footed weight works well for some things, although I prefer some sticky stuff instead (last time I mentioned this a LOT of folks disagreed!) For resistors and caps you don't really need it - just shove one end into a pool of solder with a tweezers, wait for it to cool, then do the other end. That same technique isn't bad for SOT packages, either. The real challenge is TSSOPs where getting the alignment right is a real problem. For this, the details of your 3 footed weight get to be pretty important.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Don" <dwittlic@APCI.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, February 20, 2003 10:20 PM  
Subject: Solder Paste for SMT- Acquiring and using

> Hello, I would appreciate some advice on use of solder in a  
> paste form. Automated systems use paste, so I think it would  
> be worth a try for manual soldering of surface mount  
> components.  
>  
> ---Is anyone here using paste solder rather than wire solder  
> for surface mount construction?  
>  
> ---Can you recommend a source that will sell paste solder in  
> a small quantity.  
>  
> ---Is paste practical for hobbyist use? Is it difficult to  
> store without danger of solidifying?

>  
> Here is the equipment and procedure I expect to use:  
>  
> The iron is a temperature controlled Edsyn Loner station  
> with a tip made for SMT.  
> Component handling is by use of a wooden stick with a small  
> amount of beeswax on the tip.  
> Work will be inspected with a 10X microscope.  
> I assume the solder paste will be 63/37 and will contain  
> some flux.  
> I don't expect to use any adhesive for securing the device  
> to the board.  
>  
> 1. manually apply the paste to the solder pads on the  
> board.  
> 2. Place the component, then hold the component in place  
> with one foot of a 3 footed weight.  
> 3. Heat the component leads individually with the iron,  
> which is lightly tinned with conventional wire solder.  
>  
> ---Please give your comments or recommendations, regarding  
> materials and techniques.  
>  
> Thanks for the help,  
> Don, WN9V  
>

-----  
Date: Fri, 21 Feb 2003 07:15:55 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [146471] Re: NorCal Paddle Kit (unopened)  
Message-ID: <002201c2d9a2\$fd517aa0\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I didn't see this until I came home from work. By then the note had been out there for 8 or 9 hours, so I figured there was no point. This was one popular kit, and since then, a lot of folks have seen these in the flesh, so they ought to move pretty well if someone was to kit them again.

I think the Code Warrior Jr. is supposed to be the same thing, at twice the price. Could be that the agreement with Vibroplex prevents NorCal from kitting them again.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Dennis Blanchard" <k1ypp@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, February 19, 2003 8:42 PM  
Subject: FS: NorCal Paddle Kit (unopened)

> I have a NorCal Paddle Kit that I am never going to get the time to  
> complete. It is unopened in the original packaging. \$30.00 plus \$5.00  
> shipping. Email me for details.  
>  
> Dennis, K1YPP  
> Hampstead, NH  
>  
> k1ypp@yahoo.com  
>  
>

-----  
Date: Fri, 21 Feb 2003 06:22:01 -0600  
From: "w5tb" <w5tb@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [146472] Re: FYBO - Minimizing Dupes  
Message-ID: <002801c2d9a3\$d682fb00\$0400a8c0@attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Excellent posting by Dr Megacycle -- for some sample dupe sheets:

<http://www.ten-ten.org/dupec.html>

<http://www.fists.org/FISTDupe.pdf>

<http://www.arrl.org/contests/forms/03fd-dupesheet.pdf>

<http://www.lionlmb.org/vhf/dupe.html>

<http://www.ten-ten.org/keyforms.html>

-----  
Date: Fri, 21 Feb 2003 07:59:13 -0500  
From: Bill Coleman <aa4lr@arrl.net>  
To: <brian@iquest.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [146473] Re: QRP Beacon on 30m  
Message-ID: <20030221130112.ECQG11375.imf35bis.bellsouth.net@[192.168.0.20]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 2/19/03 9:53 PM, brian at brian@iquest.net wrote:

>I copied the HP1RCP/B station on 10137 this evening at 02:20/Feb 20  
>UTC on my attic dipole and TS140.

Heard this beacon last night in Georgia at 0530z on a K2/100. Solid 569  
signal. Not bad for a lonely watt.

Bill Coleman, AA4LR, PP-ASEL           Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 21 Feb 2003 13:06:57 GMT  
From: Wayne\_W5KDJ <w5kdj@juno.com>  
To: qrp-1@lehigh.EDU, soc@mailman.qth.net  
Message-ID: <20030221.080753.23730.217220@webmail4.nyc.unttd.com>

If your looking for a logging program for the FYB0, go to:

<http://www.qrparci.org/index.html>

Contest page, K7RE. Its free and 180k zip file. I have been using  
it for over a year.

Wayne\_W5KDJ  
NW Houston

SV0WWW\_TF2WJN

ARCI\_11325 \* ARS\_1392 \* SOC\_538

-----  
Date: Fri, 21 Feb 2003 06:39:16 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-1@lehigh.edu  
Subject: [146475] Paddle Kits and paddles  
Message-ID: <Pine.LNX.4.44.0302210630370.1531-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was overjoyed to find a really sad looking Bencher Paddle with a black steel base at the clubhouse. I rescued it and found the insulators for the 2 posts were bad, and fist had a friend make me one and then found I could get new insulators free from Bencher.

I have out Chuck's long message on using an iombic paddle and have been running the battery low on my CMOS keyer practising. The Bencher paddle is simply a fine paddle.

If your using a bad paddle, and there are a bunch out there, do yourself a favor. Save your allowance and when you have around \$100.00, call AES or your favorite Ham Radio store and buy a Bencher paddle. Save your old paddle(s) for field use.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Fri, 21 Feb 2003 06:44:51 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: <qrp-1@lehigh.edu>  
Subject: [146476] FYB0 Logs  
Message-ID: <002201c2d9af\$69996540\$4a4998d0@Bobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="US-ASCII"  
Content-Transfer-Encoding: quoted-printable

There are a number of first-timers that are going to play in FYB0, so a



reminder of what the logs should contain may be appropriate.

The information submitted should contain, for each contact, the time of the contact, band used, RST information, contacts first name, SPC, power reported and temp reported: 1600Z 20 579 AZ Frosty 2W 40F

You should also keep a dupe sheet, but don't need to send it in. There have been a couple of notes on how to keep one, so I won't repeat it.

1

A simpler way would be to use a computer logger, but that's sometimes not practical when operating outdoors in the weather. There are several good ones available, but Brian Kassel's QRP Dupe (available at <http://members.mato.com/bkassel/>) is a good one, and supports FYB0.

Looks like there is a lot of interest, so I hope it will be a good contest.

=20

Bob NK7M

-----  
Date: Fri, 21 Feb 2003 09:30:54 -0500  
From: "Lee Mairs" <lmairs@direcway.com>  
To: <nk7m@extremezone.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [146477] Re: FYB0 Logs  
Message-ID: <000901c2d9b5\$dafa2610\$3b6d020a@boomer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> The information submitted should contain, for each contact, the time of  
> the contact, band used, RST information, contacts first name, SPC, power  
> reported and temp reported: 1600Z 20 579 AZ Frosty 2W 40F

How about running that by again? What is SPC? AZ looks more like Arizona than a guy's first name?

73 de Lee  
km4yy

-----  
Date: Fri, 21 Feb 2003 09:56:13 -0500

From: "Noyce, Bill" <william.noyce@hp.com>  
To: <qrp-l@lehigh.edu>  
Subject: [146478] RE: LOW PASS FILTERS  
Message-ID: <D99C1FB421989A40818B6370E3187094570B2E@tayexc19.americas.cpqcorp.net>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

> I was just thinking of letting=20  
> the same filter handle both 40 and 30 and/or 20 and 15 though.

This article by Zack Lau, KH6CP, from October 1989  
<<http://www.arrl.org/members-only/tis/info/pdf/8910025.pdf>>  
describes the QRP Three-bander, which uses a single-ended  
power amplifier, and a single 7-element filter, to cover  
18, 21, and 24 MHz. From the antenna, the filter consists  
of 120pF, 0.46 uH, 240 pF, 0.52 uH, 240 pF, 0.46 uH, and  
100 pF (plus 15 pF in T/R switch).

So something similar has been done before, without even  
the benefit of push-pull. Seems likely that 5 elements  
would be enough with push-pull, though it would be nice  
to be able to measure it.

-- Bill

-----  
Date: Fri, 21 Feb 2003 10:44:56 -0500  
From: "Ken Simpson, W8EK" <W8EK@fdt.net>  
To: "QRP List" <qrp-l@lehigh.edu>  
Subject: [146479] MFJ SBF-2 SSB filter FS  
Message-ID: <NGBBLMCL0LBPLBFNJPMCEOPDGAA.W8EK@fdt.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale:

MFJ SBF-2, SSB filter

This filter is very similar to the MFJ CWF-2, except it is for  
use on SSB. It is an audio filter, and operates off of a 9 V  
battery, or "wall wort" power supply. It has audio in and  
out jacks, and a headphone jack. The selectivity is variable

with switch selections of 1.5 KHz, 2.0 KHz, 2.5 KHz, or "high pass" mode. Of course there is also an on-off switch that also bypasses the unit. It is all in a nice little enclosure, approximately 2 inches high, 3 1/4 inches wide, and 4 1/2 inches deep.

This one looks almost like new. Paper work is included for \$18 plus shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson  
E-mail to W8EK@fdt.net or W8EK@arrl.net  
Voice Phone (352) 732-8400

-----  
Date: Fri, 21 Feb 2003 15:48:59 +0000  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [146480] High-Speed CW Advocate N0HFF - SK  
Message-ID: <BAY1-F182vqzAoa2JB100016804@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From another list I learned that William G. Pierpont, N0HFF, of Wichita, KS, noted practitioner of high-speed CW and author died on 2003-02-20 at age 88 after a long struggle with cancer. His book, "The Art and Skill of Radio-Telegraphy," is available on line:  
<<http://www.raes.ab.ca/book/main.htm>>

Pierpont was also a New Testament scholar and co-author of "The New Testament in the Original Greek According to the Byzantine/Majority Textform." He was working actively with Dr. Maurice A. Robinson on the Second Edition of that work until shortly before he died.

73, Bruce Prior N7RR

-----  
STOP MORE SPAM with the new MSN 8 and get 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>  
  
-----

Date: Fri, 21 Feb 2003 11:09:07 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [146481] Fox- K4FB Log #2  
Message-ID: <3E564F23.46A369AE@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

|      |        |     |    |        |      |
|------|--------|-----|----|--------|------|
| 0200 | W5TB   | 559 | TX | DOC    | 5W   |
| 0201 | K4GT   | 559 | GA | JIM    | 5W   |
| 0202 | AB9CA  | 559 | AL | DAVE   | 5W   |
| 0202 | AJ4AY  | 559 | AL | JAY    | 5W   |
| 0203 | KC9LC  | 559 | VA | RANDY  | 5W   |
| 0204 | N4ROA  | 559 | VA | DAN    | 5W   |
| 0205 | K5DW   | 559 | TX | DON    | 5W   |
| 0205 | AA50   | 559 | LA | VERN   | 5W   |
| 0207 | KU4NE  | 599 | AL | JOHN   | 100W |
| 0208 | AD6JV  | 559 | VA | BILL   | 5W   |
| 0209 | W5USJ  | 559 | TX | CHUCK  | 5W   |
| 0210 | KK5LD  | 599 | TX | DAN    | 5W   |
| 0210 | K5FSE  | 599 | GA | JACK   | 5W   |
| 0211 | N1FN   | 559 | CO | ET     | 5W   |
| 0212 | K40AH  | 559 | GA | GAREY  | 5W   |
| 0212 | N5ZE   | 559 | TX | LEW    | 5W   |
| 0213 | NN5E   | 559 | TX | VERN   | 5W   |
| 0214 | WD9F   | 559 | IL | WOODY  | 5W   |
| 0214 | W5YR   | 559 | TX | GEORGE | 5W   |
| 0215 | K50T   | 559 | WI | LARRY  | 3W   |
| 0216 | N9NE   | 579 | WI | TODD   | 5W   |
| 0217 | WA9TZE | 559 | WI | JIM    | 5W   |
| 0217 | K3IU   | 559 | RI | KEN    | 4W   |
| 0218 | N2WW   | 559 | CO | LARRY  | 5W   |
| 0219 | W9XU   | 559 | WI | DON    | 5W   |
| 0219 | K8CV   | 559 | MI | WALT   | 5W   |
| 0220 | W0UFO  | 559 | MN | MERT   | 5W   |

|      |        |     |    |        |       |
|------|--------|-----|----|--------|-------|
| 0221 | KK5NA  | 559 | TX | JOE    | 5W    |
| 0221 | K0EVZ  | 569 | ND | DOC    | 5W    |
| 0222 | WE9K   | 599 | WI | GLEN   | 5W    |
| 0223 | K3ESE  | 559 | MD | LLOYD  | 5W    |
| 0224 | K9DC   | 559 | IN | DAVE   | 5W    |
| 0224 | K5JHP  | 559 | TX | BILL   | 5W    |
| 0226 | N0UR   | 559 | MN | JIM    | 5W    |
| 0227 | N5YFC  | 559 | LA | WAYNE  | 5W    |
| 0227 | N3ZPQ  | 559 | OH | FRANK  | 3W    |
| 0228 | KQ5U   | 559 | TX | TERRY  | 5W    |
| 0228 | WS4S   | 559 | TN | CONARD | 5W    |
| 0229 | K9IS   | 559 | WI | STEVE  | 5W    |
| 0230 | AF4LQ  | 559 | KY | MIKE   | 5W    |
| 0230 | W7KXB  | 559 | AZ | BILL   | 5W    |
| 0232 | WB4X   | 559 | NC | BRENT  | 5W    |
| 0232 | W0CH   | 559 | MO | DAVE   | 5W    |
| 0233 | K9IUA  | 559 | IA | KEVIN  | 5W    |
| 0234 | K5SR   | 559 | TX | DALE   | 5W    |
| 0234 | W9HL   | 559 | IL | RANDY  | 5W    |
| 0235 | NA8M   | 559 | MI | JOHN   | 5W    |
| 0236 | W3SMK  | 559 | NC | STEVE  | 5W    |
| 0237 | KR5C   | 559 | TX | GEORGE | 5W    |
| 0238 | N5WL   | 559 | OK | BILL   | 5W    |
| 0240 | N0HRL  | 559 | MN | KEN    | 5W    |
| 0240 | KB9YIG | 569 | IN | TONY   | 500mW |
| 0241 | K5E0A  | 559 | LA | WAYNE  | 5W    |
| 0241 | W0IS   | 559 | MN | RICK   | 5W    |
| 0242 | N5IB   | 559 | LA | JIM    | 5W    |
| 0243 | VE6EX  | 559 | AB | DAN    | 5W    |
| 0243 | AE4TC  | 559 | VA | SCOTT  | 5W    |
| 0244 | WV9N   | 559 | OH | RANDY  | 5W    |
| 0245 | W5KDJ  | 559 | TX | WAYNE  | 300mW |
| 0246 | K4JPN  | 579 | GA | STEVE  | 4W    |
| 0246 | WB6BWZ | 599 | GA | MATT   | 5W    |
| 0247 | AG0T   | 559 | ND | TODD   | 4W    |
| 0247 | W2AGN  | 579 | NJ | JOHN   | 5W    |
| 0248 | K5ZTY  | 559 | TX | BILL   | 5W    |
| 0249 | N9AW   | 559 | WI | JERRY  | 5W    |
| 0249 | AC5JH  | 559 | OK | TOM    | 5W    |
| 0250 | K2ZN   | 559 | NY | AL     | 5W    |
| 0251 | W8YMO  | 559 | OH | HARRY  | 5W    |
| 0252 | NK9G   | 559 | WI | RICK   | 5W    |
| 0252 | VA6RF  | 559 | AB | EARL   | 5W    |
| 0254 | K5DI   | 559 | NM | KARL   | 5W    |
| 0254 | WA8ZBT | 559 | TX | DENNIS | 5W    |
| 0255 | NK6A   | 559 | CA | DON    | 5W    |
| 0255 | AC7A   | 559 | AZ | TOM    | 5W    |
| 0259 | KB0R   | 559 | MN | LARRY  | 5W    |

|      |         |     |    |         |       |
|------|---------|-----|----|---------|-------|
| 0259 | K7TQ    | 559 | ID | RANDY   | 5W    |
| 0300 | NM5M    | 559 | TX | ERIC    | 5W    |
| 0300 | VE5RC   | 559 | SK | BRUCE   | 5W    |
| 0301 | WU9F    | 559 | WI | TERRY   | 5W    |
| 0302 | WA8BXN  | 559 | OH | MIKE    | 5W    |
| 0303 | KB7WW   | 559 | OR | ART     | 5W    |
| 0303 | AB5XQ   | 559 | AR | BILL    | 5W    |
| 0305 | K0MAX   | 559 | MN | MAX     | 1W    |
| 0306 | KS4L    | 579 | AL | RANDY   | 5W    |
| 0307 | KC1FB   | 559 | CT | JIM     | 500mW |
| 0308 | N0TK    | 559 | CO | DAN     | 5W    |
| 0308 | K5TCC   | 559 | TX | DOC     | 5W    |
| 0309 | N4BP    | 559 | FL | BOB     | 5W    |
| 0310 | W2RBA   | 559 | NY | JOE     | 5W    |
| 0314 | WB8WTU  | 559 | OH | DENNIS  | 5W    |
| 0314 | K0FRP   | 599 | CO | AL      | 5W    |
| 0315 | VE3ELA  | 559 | ON | KEN     | 5W    |
| 0316 | K3PH    | 559 | PA | BOB     | 5W    |
| 0317 | K6VNX   | 559 | CA | ALLE    | 5W    |
| 0317 | N0WX    | 559 | MN | MIKE    | 5W    |
| 0320 | KF2P    | 559 | NY | NiCK    | 5W    |
| 0323 | K08HIO  | 559 | OH | ANTHONY | 4W    |
| 0324 | K0PC    | 559 | MN | PAT     | 5W    |
| 0326 | W9UQB/7 | 559 | AZ | MIKE    | 5W    |
| 0327 | NV4V    | 569 | KY | PETE    | 5W    |
| 0329 | W4YN    | 559 | NC | TIM     | 5W    |
| 0332 | KD5CMN  | 559 | TX | MIKE    | 5W    |
| 0333 | KR0U    | 559 | CO | TIM     | 5W    |
| 0334 | KJ0C    | 559 | MO | JIM     | 5W    |
| 0334 | NK0E    | 559 | CO | DAVE    | 5W    |
| 0335 | W7IU    | 559 | WA | GARY    | 500mW |
| 0337 | WA2TDL  | 559 | NY | RICK    | 5W    |
| 0338 | KI0II   | 559 | CO | RON     | 5W    |
| 0339 | N6TW    | 559 | CA | EARL    | 5W    |
| 0344 | NU8S    | 559 | OH | DENNIS  | 5W    |
| 0344 | WA8NTA  | 559 | CO | DICK    | 5W    |
| 0345 | K50I    | 559 | OK | TIM     | 5W    |
| 0346 | N1TP    | 559 | FL | TOM     | 5W    |
| 0347 | AF4PS   | 559 | FL | MAC     | 3W    |
| 0348 | K2Q0    | 559 | NY | MARK    | 5W    |
| 0358 | N0RC    | 559 | CO | ROD     | 5W    |
| 0400 | VE4WI   | FOX | MB | CRAIG   | 5W    |
| 0400 | K4FB    | FOX | FL | PAUL    | 5W    |

-----

Date: Fri, 21 Feb 2003 10:36:58 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@LeHigh.EDU>,  
QRP-Canada <qrp-canada@neale.gpfn.sk.ca>  
Subject: [146482] RAC Summer & Winter Contests QRP plaques.  
Message-ID: <Pine.LNX.4.33.0302211027480.14174-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK folks, I received 2 cheques in the mail yesterday so that plus mine makes 3 of us so far...looks like we've officially started to raise the funds (\$500.00 Cdn total) to sponsor the QRP plaques for another 5 yrs...

...mail your contribution to: Bruce Rattray ....thank you!  
128 Durham Drive  
Regina, SK. S4S 4Z2  
Canada

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Fri, 21 Feb 2003 09:14:23 -0800  
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [146483] Re: LOW PASS FILTERS  
Message-ID: <001101c2d9cc\$b0258580\$b93ecd18@charterpipeline.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

others wrote:

> the same filter handle both 40 and 30 and/or 20 and 15

-----

>single 7-element filter, to cover 18, 21, and 24 MHz.

-----

A single filter for 18-21-24 mHz works because it supresses the 2nd harmonic for all three frequencies.

And a single filter for 40/30 OR 20/15 might work because it

supresses the second harmonic of the lower band in both examples. But a single filter for 40/20 AND 20/15 won't work, because it won't supress the 2nd and 3rd harmonic of 40M radiation, or the 2nd harmonic of 30M.

Also ... I have had good results meeting FCC requirements for 2nd harmonic supression using a 5-element homebrew filter and a design frequency of within 1mHz above the transmit frequency. It would be interesting to test (or simulate on computer) both 5 and 7 element filters in the case of dual band transmitters to see if the 5 element filter developes adequate supression. Zack Lau has shown empirically with his design that the 7 element filter does work.

Alan Kaul, W6RCL, LaCanada, CA  
w6rcl@amsat.org  
<http://home.att.net/~alan.kaul/index.html>

-----  
Date: Fri, 21 Feb 2003 11:15:05 -0700  
From: Rod N0RC <rod@n0rc.us>  
To: <n7rr@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [146484] Re: [High-Speed CW Advocate N0HFF - SK]  
Message-ID: <453HBusPF1376S20.1045851305@uwdvg020.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

All,

A better source for the book is:

<http://www.qsl.net/n9bor/n0hff.htm>

There you can download a PDF version for reading.

Also I found this statement on the site: "Official Download Site You may = link to this page, but please do not put the book file on your server." So, no= posting the PDF file elsewhere, let's respect the site authors request.

73, Rod N0RC

"Bruce Prior" <n7rr@hotmail.com> wrote:



> >From another list I learned that William G. Pierpont, N0HFF, of Wichita,  
KS, =

-----  
Date: Fri, 21 Feb 2003 18:23:00 GMT  
From: Wayne\_W5KDJ <w5kdj@juno.com>  
To: qrp-1@lehigh.EDU  
Subject: [146485] Free Logger Program  
Message-ID: <20030221.132301.5079.230208@webmail10.nyc.unttd.com>

I was requested to send this again with a subject line.

FYBO and other contest are in this logging program. 180k and its free.

I have been using it for over a year and it is great.

<http://www.qrparci.org/index.html>

Wayne\_W5KDJ  
NW Houston  
SV0WWW\_TF2WJN  
ARCI\_11325 \* ARS\_1392 \* SOC\_538

-----  
Date: Fri, 21 Feb 2003 10:29:27 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [146486] Re: NorCal Paddle Kit (unopened)  
Message-ID: <002301c2d9d7\$2ad6a020\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

John, here is the information on the history of the NorCal K8FF Paddles.  
Wayne Smith, K8FF, designed and built the first K8FF paddles and had a  
display of 5 similar paddles on a table at Dayton several years ago. Chuck  
Adams pointed them out to me, and I immediately went in search of K8FF. Had  
no idea who he was. Well, we met, he agreed to let NorCal kit them, and we

started out. Wayne gave us permission to kit as many as we wanted, as long as we wanted. He helped us with the prototype development and was invaluable in his assistance. We kitted 1600 of them, and simply got tired of doing the kit. The idea that Jim and I had was that we would provide qrpers a paddle kit that they could build, and that would be rough brass, and would be something that they would not worry about taking to the field. Who cared if it got scratched. We had no idea that guys would put so much time and work into making them look so great.

When we got tired of doing the kits, which were a huge bargain at \$30 I believe, we turned the rights to the design back to Wayne. Wayne subsequently signed a contract with Vibroplex and that is how they got the rights to the Code Warrior. The Code Warrior is an improved model of the NorCal Paddles. I think for \$100 it is far, far superior to the Bencher. The Code Warrior will not "fly apart" on you, grin.

Vibroplex has the rights to produce the Code Warrior, and it is the descendant of the NorCal Paddles. In fact, if you look at their ads, you will note that they mention the NorCal heritage, which we are quite pleased that they do. So, no one will be kitting the NorCal paddles again. That is a kit that has come and gone. It was a huge, huge value at the time, and some took advantage, some didn't. The price was so low because we use volunteers to do our work, and Vibroplex is a company in business to make a profit, and NorCal is a club. Huge difference there.

There you have it. Thanks to Wayne Smith, K8FF for his wonderful design and his generosity to NorCal and QRPers everywhere. By the way, Wayne has Code Warrior #1 which is gold plated, including the base, a gift from Mitch at Vibroplex to Wayne. Wayne gave me Code Warrior #2 which is gold plated except for the base and is one of my prized possessions.

If you want a great paddle for \$100, get the Vibroplex Code Warrior, it is the best buy for the money out there.

72, Doug

-----  
Date: Fri, 21 Feb 2003 13:46:56 -0500  
From: "brian" <brian@iquest.net>  
To: <w5kdj@juno.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [146487] Re: Free Logger Program  
Message-ID: <000b01c2d9d9\$9c059f60\$3d05080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Wayne,

Your link goes to a page at QRP ARCI.

Are you talking about Brian's logger?

----- Original Message -----

From: "Wayne\_W5KDJ" <w5kdj@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, February 21, 2003 1:23 PM

Subject: Free Logger Program

> I was requested to send this again with a subject line.

>

> FYBO and other contest are in this logging program. 180k and its free.

>

> I have been using it for over a year and it is great.

>

> <http://www.qrparci.org/index.html>

>

>

>

>

> Wayne\_W5KDJ

> NW Houston

> SV0WWW\_TF2WJN

> ARCI\_11325 \* ARS\_1392 \* SOC\_538

>

>

-----  
Date: Fri, 21 Feb 2003 14:09:21 -0500

From: Bob Patten <n4bp@bellsouth.net>

To: nk7m@extremezone.com, QRP-L Reflector <qrp-l@lehigh.edu>

Subject: [146488] FYBO Rules Clarification

Message-ID: <3E567961.1090005@bellsouth.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

I haven't done the FYBO in a couple of years. I think the clause "Field per ARRL FD definition" is new. What this means to me is that antennas can not be on a permanent structure (fixed

tower). If that is correct, I would still be a "Home" station even if I operated portable from my bone chilling 88 degree patio? In other words, if I use my home antennas, I am a home station whether indoors or out. Am I interpreting this correctly? Might's well stay in the cooler shack if so...

--

73, Bob Patten, N4BP Plantation, FL

E-Mail: n4bp@arrl.net Website: <http://www.qsl.net/n4bp>  
QRP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

-----  
Date: Fri, 21 Feb 2003 14:39:05 -0500  
From: John Harper AE5X <ae5x@qsl.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [146489] Re: Free Logger Program  
Message-ID: <000301c2d9e0\$e544aca0\$6401a8c0@Home>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Don't you have a more specific link?

John Harper AE5X  
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

-----  
Date: Fri, 21 Feb 2003 13:47:39 -0600  
From: "Jim NOUR" <nOur@attbi.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [146490] FYBO; Don't forget your mikes  
Message-ID: <000e01c2d9e2\$17586320\$6a202942@ce1.client2.attbi.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just a reminder that SSB can be used this year during FYBO. We plan on having trying some SSB with the guys who are key shy. Here is a list of QRP calling frequencies we will hang around. 7.285, 14.285, 21.385 and 28.385.

If these are occupied we will be tuning up from these frequencies. Hope to hear some of you.

WQORP

Date: Fri, 21 Feb 2003 14:52:46 -0500  
From: Bob Patten <n4bp@bellsouth.net>  
To: ae5x@qsl.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [146491] Re: Free Logger Program  
Message-ID: <3E56838E.5000904@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

John Harper AE5X wrote:

```
>Don't you have a more specific link?
>
```

<http://members.mato.com/bkassel/>

— —

73, Bob Patten, N4BP Plantation, FL

E-Mail: [n4bp@arrl.net](mailto:n4bp@arrl.net) Website: <http://www.qsl.net/n4bp>  
 ORP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

Date: Fri, 21 Feb 2003 15:04:08 -0500 (Eastern Standard Time)  
From: W2AGN <w2agn@w2agn.net>  
To: qrp-l@Lehigh.EDU, n0ur@attbi.com  
Subject: [146492] Re: FYB0; Don't forget your mikes  
Message-ID: <3E568638.000009.68401@w2agn>  
MIME-version: 1.0  
Content-type: Text/Plain  
Content-transfer-encoding: 7BIT

Mike? What is that?

Seriously, I had been looking forward to this as always, but now they are

saying HEAVY rains tomorrow, after raining all night tonight, with Flood warnings. Also, it is supposed to be 50 deg. With all that, the snow is going to be melting..

Anyway, too wet, so I set up the card table and the Ten Tec Vintage station inside, and will work from in here. Going to turn off the heat in here, and see if I can cool it off a bit.

.  
+---+---+---+---+ John L. Sielke  
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]  
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----Original Message-----

From: n0ur@attbi.com  
Date: Friday, February 21, 2003 02:52:29 PM  
To: Low Power Amateur Radio Discussion  
Subject: FYB0; Don't forget your mikes

Just a reminder that SSB can be used this year during FYB0. We plan on having trying some SSB with the guys who are key shy. Here is a list of QRP calling frequencies we will hang around. 7.285, 14.285, 21.385 and 28.385. If these are occupied we will be tuning up from these frequencies. Hope to hear some of you.

WQORP

-----  
Date: Fri, 21 Feb 2003 12:15:01 -0800  
From: "larry hess" <hessls@csi.com>  
To: <qrp-l@lehigh.edu>  
Subject: [146493] Radio Shack 25 Amp supply,UGH  
Message-ID: <002e01c2d9e6\$09ea4a10\$310cc0d8@m0u2v9>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I give up! Had three RS 25 amp supplies. All exhibited wideband RF noise particularly 15/20 meters with S6-S8 meter readings.Checked against a linear supply and S meter back to around S-1.So check this out if you have

this supply.,Guess thats why they are selling for 50% off.  
Larry W8GTT

-----  
Date: Fri, 21 Feb 2003 15:26:23 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [146494] Vario-coupler  
Message-ID: <3E568B6F.F600BEC9@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Other than in regenerative receivers, where else are vario-couplers used?

The reason I ask is that I got one at an estate sale, which is rather large. Way to larger for a receiver seems to me, so I figured it must've been used for something else. I don't have it here right now but I thing the diameter of the outer coil is about 5 inches and it is about 6 or 7 inches long. The coils are made of heavy gage wire. The outer coils has taps.

Any insight on this thing would be greatly appreciated.

73,  
--Alex KR1ST

-----  
Date: Fri, 21 Feb 2003 12:29:38 -0800  
From: Dan Maguire <bethdan@pacbell.net>  
To: qrp-1@Lehigh.EDU  
Subject: [146495] Propagation study  
Message-ID: <002d01c2d9e7\$f5296a00\$8a2e7443@bethdan>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

In his ARRL Solar Update column of a few weeks ago, K7VVV mentioned a comparison between March of last year and March of this year for a path from Texas to Brazil. Just out of curiosity I decided to look at the same scenario using VOACAP. One thing led to another and I ended up creating a couple of sample plots and maps for Tad to look at.

If you are interested in such things, surf over to

www.qsl.net/ac6la/adhoc/taddemo.html to see the results. You'll find animated comparisons of conditions for March of 2002, with a smoothed sunspot number of 113, versus March of 2003 with a (predicted) SSN of 76.

Dan AC6LA  
www.qsl.net/ac6la/

-----  
Date: Fri, 21 Feb 2003 12:45:22 -0800  
From: "richqrp" <richqrp@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [146496] Re: Radio Shack 25 Amp supply, UGH  
Message-ID: <001a01c2d9ea\$2780c3c0\$c1770744@wd6fddstssz5sg>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Very interesting... I do not operate that much 20, so I just tried it out... tested with the supply and then to my 12V car battery.. no noise on either band ?? Less than a S-1 on both bands right now. I have an old Icom 737. Matter of fact I just tried all bands... 30-10 and less than S-1. When I first bought the supply I just tried the noise thing on 40, where I operate most of the time and I could not hear any difference between running on the battery or the supply.

Rich...

----- Original Message -----  
From: "larry hess" <hessls@csi.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, February 21, 2003 12:15 PM  
Subject: Radio Shack 25 Amp supply, UGH

> I give up! Had three RS 25 amp supplies. All exhibited wideband RF noise  
> particularly 15/20 meters with S6-S8 meter readings. Checked against a  
> linear supply and S meter back to around S-1. So check this out if you have  
> this supply., Guess thats why they are selling for 50% off.  
> Larry W8GTT  
>

-----



Date: Fri, 21 Feb 2003 16:00:09 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [146497] ATU  
Message-ID: <3E569359.7AF956DD@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

While searching the net about info on vario-couplers (just found out they are also called variometers which explains why I didn't find much info) I found this page with some neat pictures of an antenna tuning unit that may be just a tad large for an Altoids tin:

<http://www.contelec.com/ATU.htm>

Notice all the copper on the wall...

73,  
--Alex KR1ST

-----  
Date: Fri, 21 Feb 2003 14:59:44 -0600  
From: KD5NWA <KD5NWA@cbayona.com>  
To: hessls@csi.com,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [146498] Re: Radio Shack 25 Amp supply, UGH  
Message-ID: <5.2.0.9.0.20030221144006.00a7e728@pop.cbayona.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I bought three RS Power supplies, two for myself and one for a friend two were totally clean and one had bad noise on 80 meters, and a little bit on 30 meters and 20 meters.

I then preceded to do the following, which is just good sense when using a switcher power supply.

1. I keep the supply at least three feet away from the radio, I feed the RigRunner Panel that powers the radio and accessories with #10 wire tightly twisted at 3 twist to the inch.
2. I put a large ferrite core right at the output of the power supply, with the leads going three times through the core, using a Fair-Rite 2643665702 core. Just for good measure I put a core through the 120 AC cord as close to the power supply as possible.
3. I put a .1 uF, a .01 uF, and a .001 uF capacitor across the power supply output terminals with as short leads as possible.

After doing this, I tried all three supplies on all bands from 160 Meters to 10 meters and you could not hear or see a S-Meter difference when the power supply was on or off or running on batteries only.

Hope it works for you.

At 02:15 PM 2/21/2003, larry hess wrote:

>I give up! Had three RS 25 amp supplies. All exhibited wideband RF noise  
>particularly 15/20 meters with S6-S8 meter readings. Checked against a  
>linear supply and S meter back to around S-1. So check this out if you have  
>this supply. Guess that's why they are selling for 50% off.  
>Larry W8GTT

Cecil  
KD5NWA

-----  
Date: Fri, 21 Feb 2003 14:14:06 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: "'Lee Mairs'" <lmairs@direcway.com>  
Cc: <qrp-1@lehigh.edu>  
Subject: [146499] RE: FYBO Logs  
Message-ID: <000e01c2d9ee\$2be13ae0\$484998d0@Bobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="US-ASCII"  
Content-Transfer-Encoding: quoted-printable

Good eye, Lee. Got them in the wrong order...should be as shown=20  
(1600Z 20 579 AZ Frosty 2W 40F), not as explained.

Bob

-----Original Message-----

From: Lee Mairs [mailto:lmairs@direcway.com]=20  
Sent: Friday, February 21, 2003 7:31 AM  
To: nk7m@extremezone.com; Low Power Amateur Radio Discussion  
Subject: Re: FYBO Logs

> The information submitted should contain, for each contact, the time=20  
> of the contact, band used, RST information, contacts first name, SPC,=20  
> power reported and temp reported: 1600Z 20 579 AZ Frosty 2W 40F

How about running that by again? What is SPC? AZ looks more like Arizona than a guy's first name?

73 de Lee  
km4yy

-----  
Date: Fri, 21 Feb 2003 14:18:11 -0700  
From: "Bob Hightower" <nk7m@extremezone.com>  
To: <qrp-l@lehigh.edu>  
Subject: [146500] FW: FYBO Rules Clarification  
Message-ID: <001501c2d9ee\$be927bb0\$484998d0@Bobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="US-ASCII"  
Content-Transfer-Encoding: quoted-printable

-----Original Message-----

From: Bob Hightower [mailto:nk7m@extremezone.com]=20  
Sent: Friday, February 21, 2003 2:17 PM  
To: 'Bob Patten'  
Subject: RE: FYBO Rules Clarification

Yup, the antenna is the key. If the antenna doesn't fit the ARRL FD definition in that it's permanent, it's home, not field.

I'll probably be indoors as well, as it will be warm here. Not 88, but no mults, either.

Bob

-----Original Message-----

From: Bob Patten [mailto:n4bp@bellsouth.net]=20  
Sent: Friday, February 21, 2003 12:09 PM  
To: nk7m@extremezone.com; QRP-L Reflector  
Subject: FYBO Rules Clarification

I haven't done the FYBO in a couple of years. I think the clause "Field per ARRL FD definition" is new. What this means

to me is that antennas can not be on a permanent structure (fixed=20 tower). If that is correct, I would still be a "Home" station even if I operated portable from my bone chilling 88 degree patio? In=20 other words, if I use my home antennas, I am a home station whether indoors or out. Am I interpreting this correctly?=20 Might's well stay in the cooler shack if so...

- - = 20

73, Bob Patten, N4BP

Plantation, FL

E-Mail: [n4bp@arrl.net](mailto:n4bp@arrl.net)

Website: <http://www.qsl.net/n4bp>

QRP ARCI #3412 SOC #1

ARS #799

Whiners #6      FISTS #7871

FISTS #7871

Date: Fri, 21 Feb 2003 15:19:05 -0600 (CST)

From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

To: Low Power Amateur Radio Discussion <grp-l@Lehigh.EDU>

Cc: Brian Buydens <brian.buydens@usask.ca>

Subject: [146501] Amateur Radio Educational Flash Animations

Message-ID: <Pine.OSF.4.44.0302211514440.236613-100000@duke.usask.ca>

MIME-version: 1.0

Content-type: TEXT/PLAIN; charset=US-ASCII

I have recently begun to learn Flash Animation. I have created a short movie introducing capacitors. The target audience is young people around the boy scout/girl guide range.

You can see the first one at:

<http://duke.usask.ca/~buydens/ham/ham4kids/flash/index.html>

Comments/constructive criticism would be welcome. I am not an artist.

Brian.

Brian Buydens

## Veterinary Electronic Data Specialist

Computing Services, University of Saskatchewan

email: Brian.Buydens@usask.ca

<http://duke.usask.ca/~buydens>

VE5RDV

I am a proud citizen of "Soviet Canuckistan"

-----  
Date: Fri, 21 Feb 2003 15:31:16 -0600  
From: <stanw@toxsor.com>  
To: <qrp-1@lehigh.edu>  
Subject: [146502] Looking for a serious micro power Beacon enthusiast  
Message-ID: <000501c2d9f0\$948ad4a0\$0364010a@toxsor.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi,

A few years ago I acquired a solid state military transmitter that works from 2 mhz to 30 mhz with a maximum power output of 100 milliwatts and with a stability of about 10 to the 10th.

I have ran it as a beacon transmitter a few times. It is CW and SSB.

I am thinking that it needs a new home. However, it requires a skilled technican to do anything with it. Built like a tank.

So if you are really interested in micro power beacons and have good technican skills and might be interested send me an e-mail and we will go from there.

I also have the matching all band military 100 watt HF amplifier for it, but that requires someone build the interface cables. Not a project for a Novice.

Stan ak0b  
ak0b@swbell.net

-----  
Date: Fri, 21 Feb 2003 15:36:49 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>, <glowbugs@piobaire.mines.uidaho.edu>,

<tentec@contesting.com>

Subject: [146503] Any experts on the MFJ 259B Antenna Analyzer out there?

Message-ID: <000f01c2d9f1\$578b2e00\$4e100a0a@rohredt2000>

Misplaced the 259B manual. I know we will find it after asking this question.

The 259B has a time out function, to save the batteries. Is there a way to defeat that automatic shutdown? Like if you are running on the wall wart, and do not have to worry about power?

I am sure it must be a control pin of the control microcomputer, and I may have to find that and figure out a way to defeat the time out myself, but figured there might be a multibutton push way to do so from the front panel.

I think my 269 which is not with me at the moment, does not time out as fast as the 259B I was just using.

Any suggestions, directions, or experiences welcomed!

Thanks and 73,

Stuart K5KVH

-----  
Date: Fri, 21 Feb 2003 15:55:11 -0600

From: Don <dwitttlic@APCI.net>

To: kr1st@amsat.org

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [146504] Re: Vario-coupler

Message-ID: <3E56A03F.AC24095A@APCI.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Alex,

If you said the coil is about a foot long, it would sound much like the remnants of a BC306 Low Freq Antenna matcher. If you find a black aluminum cabinet about 8 inches square and 16 inches tall, having nice ceramic feed-thru bushings on top, that is probably where your coil came from.

If it is from the BC306, the rotatable section can be adjusted to add or subtract from the inductance in the rest of the inductor, so it makes a dandy variable inductor for use in a crystal set. If I recall correctly, the BC306 coil

will self resonate on broadcast band, that is, no added capacitor is necessary.

Other uses? Could be that your component would be of use to the Low Frequency enthusiasts.

73 and Have fun with your new toy!

Don WN9V

Alex wrote:

>  
> Other than in regenerative receivers, where else are vario-couplers  
> used?  
>  
> The reason I ask is that I got one at an estate sale, which is rather  
> large. Way to larger for a receiver seems to me, so I figured it must've  
> been used for something else. I don't have it here right now but I thing  
> the diameter of the outer coil is about 5 inches and it is about 6 or 7  
> inches long. The coils are made of heavy gage wire. The outer coils has  
> taps.  
>  
> Any insight on this thing would be greatly appreciated.  
>  
> 73,  
> --Alex KR1ST

-----  
Date: Fri, 21 Feb 2003 15:14:44 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "James R. Duffey" <JamesDuffey@comcast.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [146505] Re: FYBO - Minimizing Dupes  
Message-ID: <Pine.LNX.4.44.0302211505340.2162-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jim, thanks for the info on dupe sheets, I made one for 20 and 15 meters and it's simple. I will try to write small but legible.

WF5A and I are tomorrow morning going to the Rio Grande where it passes below Highway 70 in Las Cruces. We will operate like two Single Op stations. Both using W3FF antenna's and I'm bringing a full size 40 meter backpack wire just to see if we can cobel it up and make it work.

Since we are both tinkering type people not sure how many contacts we will make. But for sure we will be there and trying for a few early contacts when the temperature is low...:-)

On Thu, 20 Feb 2003, James R. Duffey wrote:

> Dennis - I use a "dupe sheet". These are sheets that you record calls you  
> have worked on that can be quickly looked up to check for a duplicate. There  
> are forms available on the net, ARRL has one, but you can make your own  
> easy. For small contests like FYBO, it really is no problem. I use lined  
> notebook paper or a yellow pad. Just put a letter on each line, A-Z. When  
> you work somebody, put his call on the line his suffix begins with. Thus  
> KK6MC would go on the M line, N9JXY on the J line, W1AW on the A line, and  
> so on. You can go a bit further by sorting them on the line by number, so  
> 1 would go right next to the letter, a 9 on the far edge. For a small  
> contest it is hard to fill up a full sheet.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

-----  
Date: Fri, 21 Feb 2003 17:09:04 -0500  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [146506] Re: ATU  
Message-ID: <009401c2d9f5\$d8f2c940\$35623018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

"The T-network shown at left is for a small 50kW transmitter."

SMALL? What do these guys do when they feel 50kW is too PW? (PW=ask me. Short story, it means not much power.) I can just feel the hair raising on the back of my neck!

72

Howard Kraus, K2UD  
----- Original Message -----  
From: "Alex" <kr1st@amsat.org>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, February 21, 2003 4:00 PM  
Subject: ATU



> While searching the net about info on vario-couplers (just found out  
> they are also called variometers which explains why I didn't find much  
> info) I found this page with some neat pictures of an antenna tuning  
> unit that may be just a tad large for an Altoids tin:  
>  
> <http://www.contelec.com/ATU.htm>  
>  
> Notice all the copper on the wall...  
>  
> 73,  
> --Alex KR1ST  
>

-----  
Date: Fri, 21 Feb 2003 17:24:23 -0500  
From: Steve.Lawrence@ITWFEG.COM  
To: rohre@arlut.utexas.edu  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [146507] Re: Any experts on the MFJ 259B Antenna Analyzer out there?  
Message-ID: <0F5C1E157C.2AE95778-ON85256CD4.007AC38C-85256CD4.007B14F3@itwfeg.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Stuart,  
The manual is available for download:  
<http://www.mfjenterprises.com/man/pdf/MFJ-259B.pdf>  
On page 6, you disable the power-save mode by holding down the MODE button  
and turning on the unit. Wait until the copyright notice appears in the  
display. You should receive a "power save off" message or something to  
that effect.

73,  
Steve  
aa8af

"Stuart Rohre" <rohre@arlut.utexas.edu>  
Sent by: owner-qrp-1@Lehigh.EDU  
02/21/2003 04:36 PM  
Please respond to rohre

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
cc:  
Subject: Any experts on the MFJ 259B Antenna Analyzer out there?

Misplaced the 259B manual. I know we will find it after asking this question.

The 259B has a time out function, to save the batteries. Is there a way to defeat that automatic shutdown? Like if you are running on the wall wart, and do not have to worry about power?

I am sure it must be a control pin of the control microcomputer, and I may have to find that and figure out a way to defeat the time out myself, but figured there might be a multibutton push way to do so from the front panel.

I think my 269 which is not with me at the moment, does not time out as fast as the 259B I was just using.

Any suggestions, directions, or experiences welcomed!  
Thanks and 73,  
Stuart K5KVH

-----  
Date: Fri, 21 Feb 2003 21:07:53 +0000  
From: "M. J. Powell" <mike@pickmere.demon.co.uk>  
To: kr1st@amsat.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [146508] Re: Vario-coupler  
Message-ID: <+jXkBKepUpV+Ew9U@pickmere.demon.co.uk>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed

In message <3E568B6F.F600BEC9@amsat.org>, Alex <kr1st@amsat.org> writes  
>Other than in regenerative receivers, where else are vario-couplers  
>used?  
>

>The reason I ask is that I got one at an estate sale, which is rather  
>large. Way to larger for a receiver seems to me, so I figured it must've  
>been used for something else. I don't have it here right now but I thing  
>the diameter of the outer coil is about 5 inches and it is about 6 or 7  
>inches long. The coils are made of heavy gage wire. The outer coils has  
>taps.

>

>Any insight on this thing would be greatly appreciated.

Transmitter loading.

Mike

--

M.J.Powell

-----  
Date: Fri, 21 Feb 2003 22:47:15 -0000  
From: "Tony Wells" <t.wells@blueyonder.co.uk>  
To: <elecraft@mailman.qth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [146509] Increase QRM - K2 Beacon Program  
Message-ID: <050701c2d9fb\$40eedd90\$0d02a8c0@BART>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Folks,

Clearly I don't have a life. Please feel free to test this beta version of a  
K2 beacon manager. Suitable for Win98/NT/2000/X. Might even work on W95 and  
Wine.

Instructions? Hey! You guys build your own radios in sub-zero temperatures -  
you don't need instructions - just mittens!

The software is at:

<[http://www.t-wells.pwp.blueyonder.co.uk/k2\\_beacon\\_monster.zip](http://www.t-wells.pwp.blueyonder.co.uk/k2_beacon_monster.zip)>

Also, check out the state of your K2 battery with the realtime K2 battery  
monitor:

< [www.t-wells.pwp.blueyonder.co.uk/k2\\_battery\\_monitor.zip](http://www.t-wells.pwp.blueyonder.co.uk/k2_battery_monitor.zip)>

To use the programs you will of course need to have a correctly wired K2/PC

interface

lead. This program DOES have instructions!

If you want to try or test this software please download it and let me have your comments. If there is enough interest, I'll ask Elecraft to put the stuff on their website. It is free and there are no licencing restrictions, do what you want with it. Just don't blame me for ruining your gel batteries or creating QRM!

Lastly, I seem to be producing a utility a week - if I get enough requests for a particular utility, I'll see what can be done.

BTW as I type this there is someone on packet on 40Meters about 1.5Khz above the qrp frequency - I thought that packet was frowned on on 40M?

Regards,

Tony  
M3CJF  
G7IGG

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End of QRP-L Digest 2838

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